

ABSTRACT

A method and apparatus for receiving radio frequency signals in a communication system is described. The inventive method and apparatus utilizes an inventive receiver circuit that
5 downconverts an input signal so that interference components of the input signal can be easily removed at baseband. Specifically, the inventive receiver circuit operates by sub-sampling a first intermediate frequency signal in such a way that an unwanted signal is not aliased into a wanted signal, and can therefore be filtered therefrom after sub-sampling. Thus, the present invention allows the use of a relatively simple tuner, with a single downconversion stage,
10 without imposing excessive requirements on the filtering in the tuner.